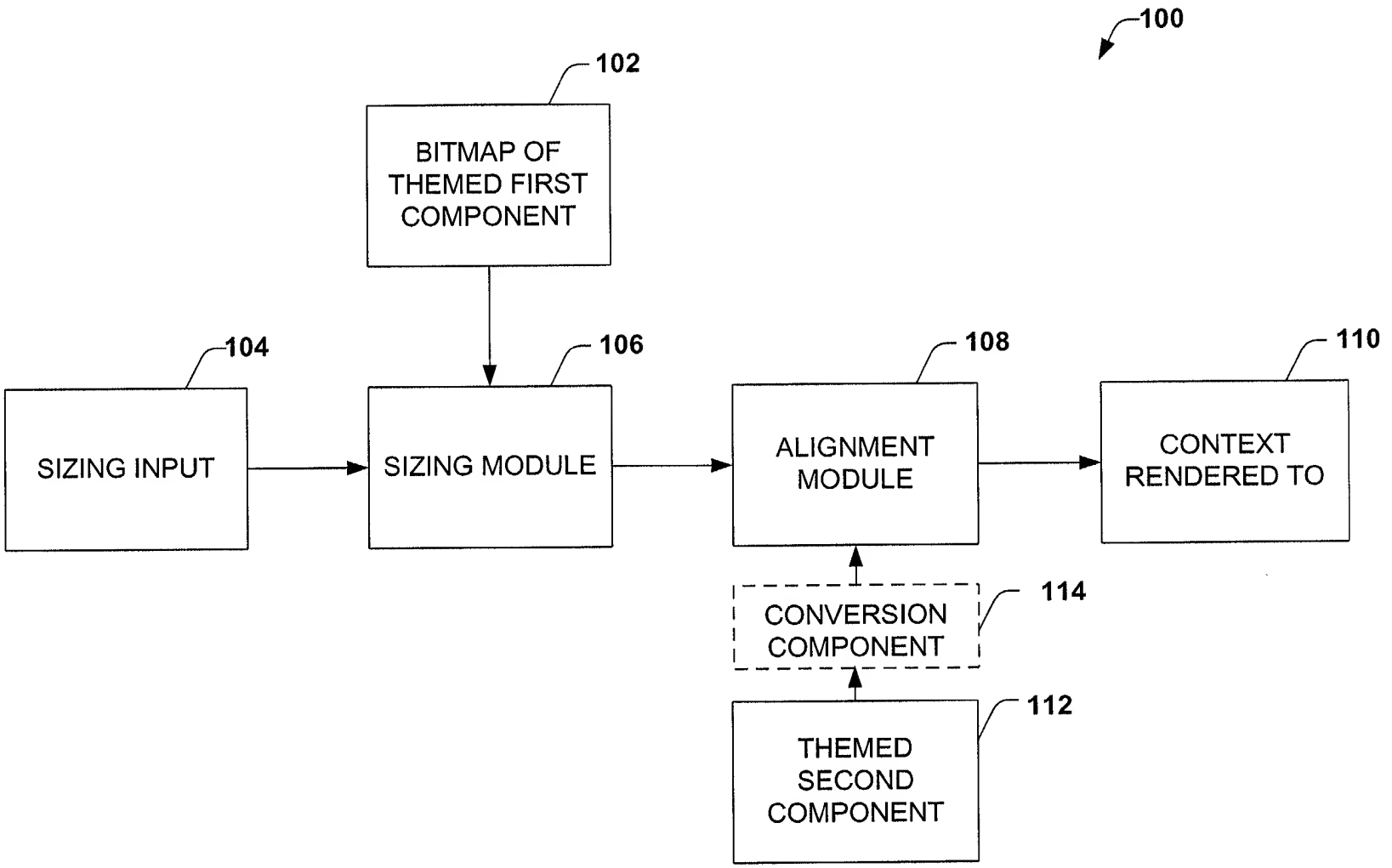

100
102
BITMAP OF THEMED FIRST COMPONENT
104
SIZING INPUT
106
SIZING MODULE
108
ALIGNMENT MODULE
110
CONTEXT RENDERED TO
114
CONVERSION COMPONENT
112
THEMED SECOND COMPONENT

FIG. 1

PCT/US2003/026208

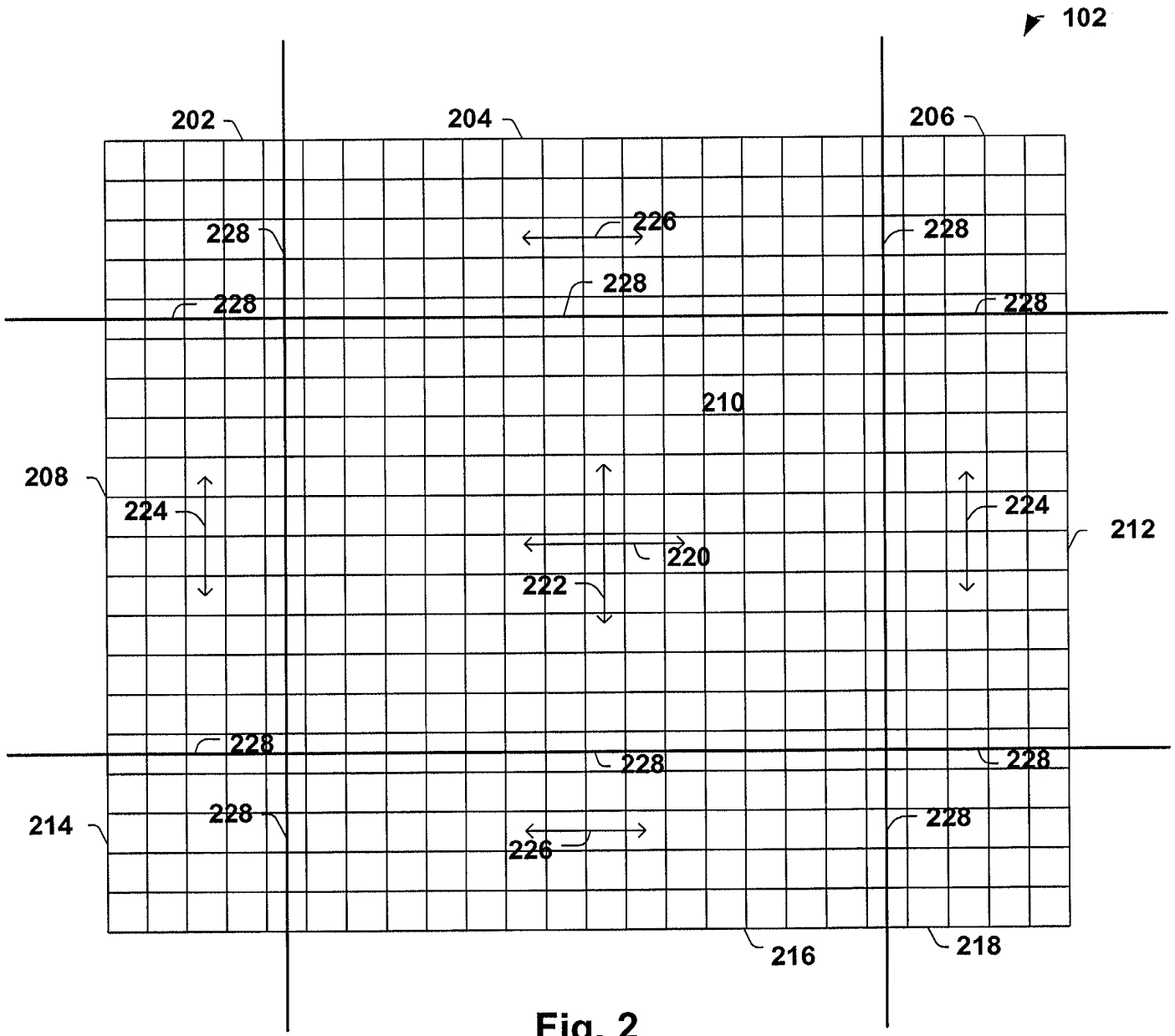


Fig. 2

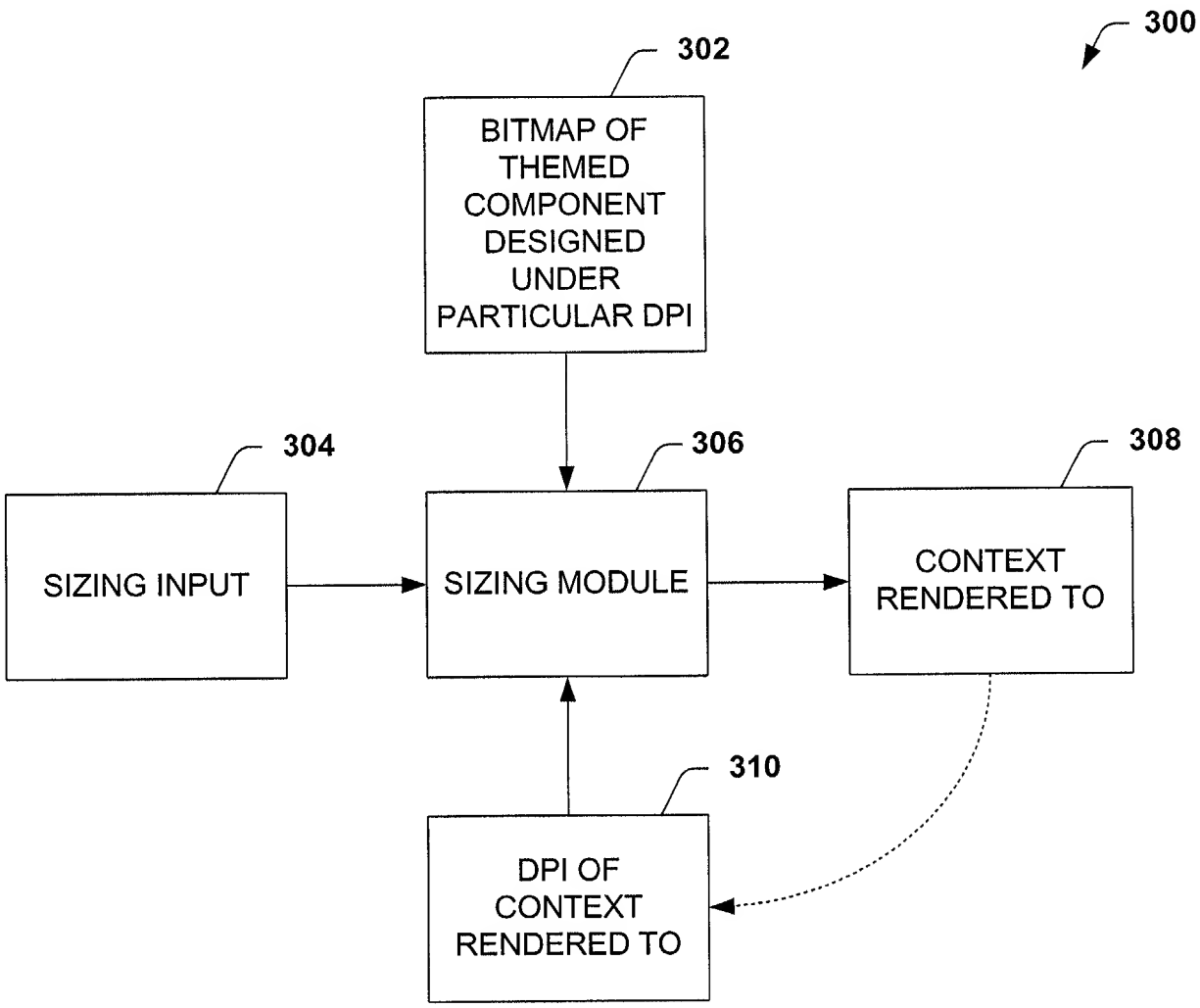

300
302
BITMAP OF THEMED COMPONENT DESIGNED UNDER PARTICULAR DPI
304
SIZING INPUT
306
SIZING MODULE
308
CONTEXT RENDERED TO
310
DPI OF CONTEXT RENDERED TO

FIG. 3

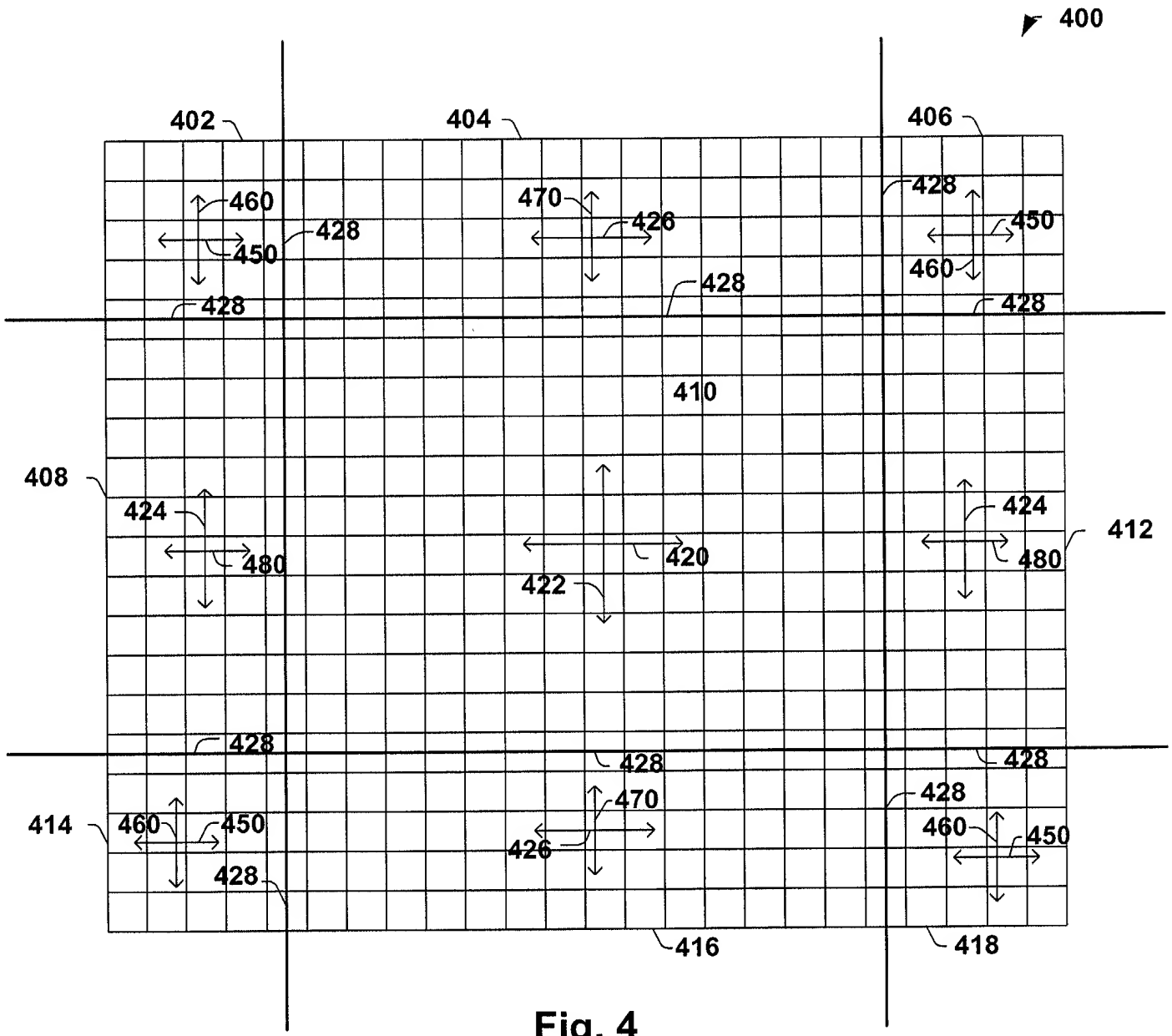

400
402
404
406
460
450
428
470
426
410
408
424
480
420
422
412
414
416
418

Fig. 4

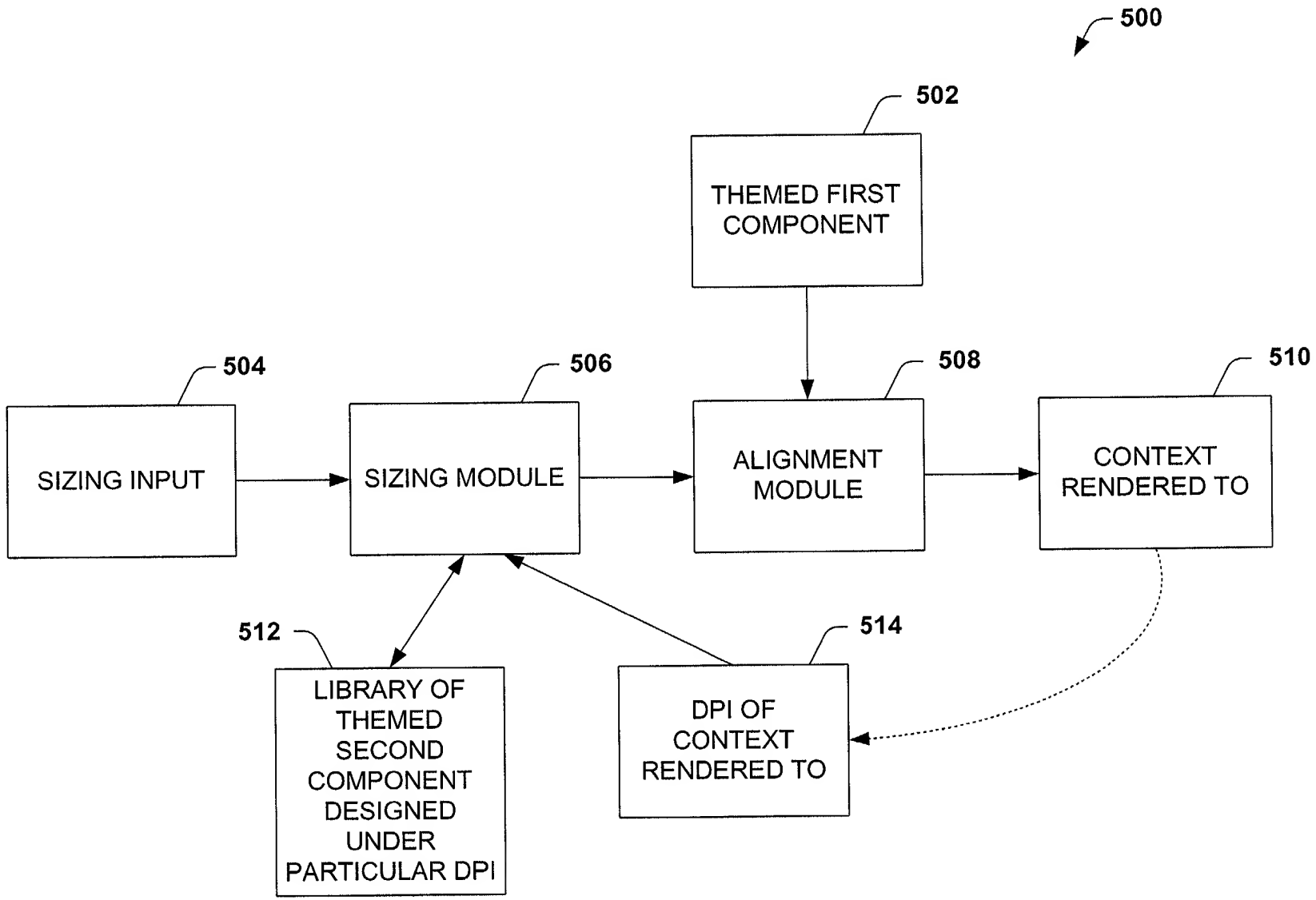

500
502
THEMED FIRST COMPONENT
504
506
508
510
SIZING INPUT
SIZING MODULE
ALIGNMENT MODULE
CONTEXT RENDERED TO
512
514
LIBRARY OF THEMED SECOND COMPONENT DESIGNED UNDER PARTICULAR DPI
DPI OF CONTEXT RENDERED TO

FIG. 5

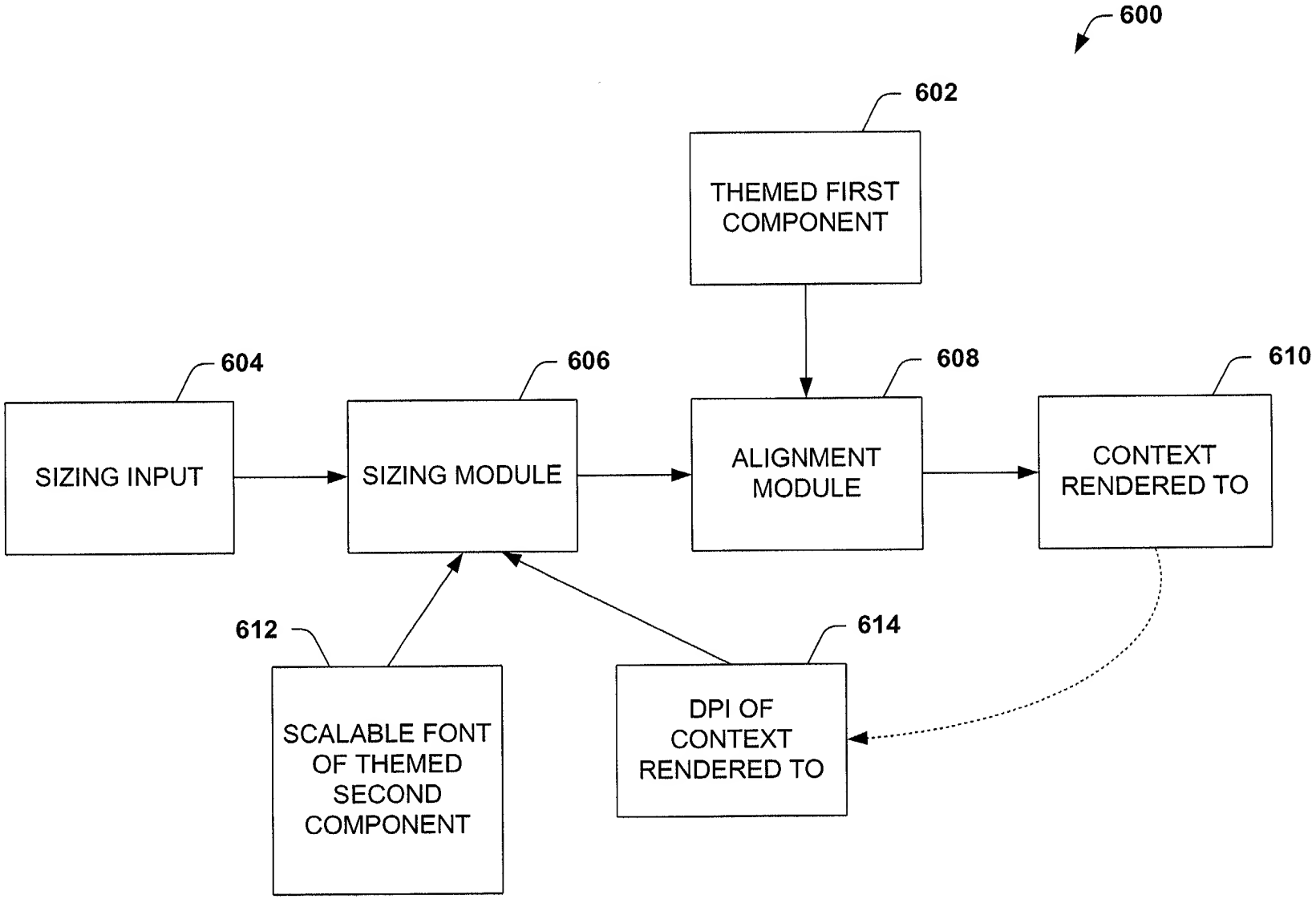

600
602
THEMED FIRST COMPONENT
604
SIZING INPUT
606
SIZING MODULE
608
ALIGNMENT MODULE
610
CONTEXT RENDERED TO
612
SCALABLE FONT OF THEMED SECOND COMPONENT
614
DPI OF CONTEXT RENDERED TO

FIG. 6

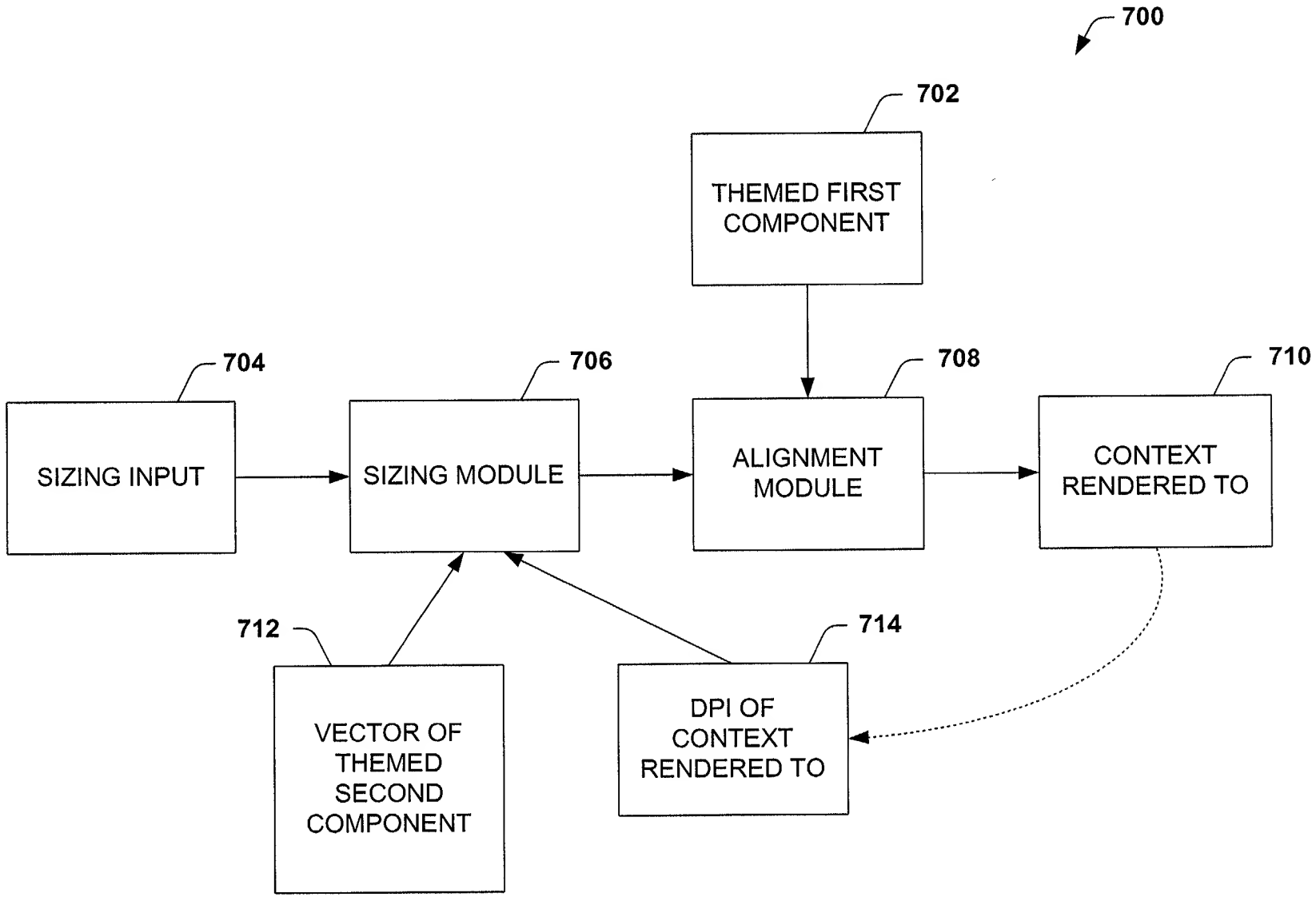

700
702
THEMED FIRST COMPONENT
704
706
708
710
SIZING INPUT
SIZING MODULE
ALIGNMENT MODULE
CONTEXT RENDERED TO
712
714
VECTOR OF THEMED SECOND COMPONENT
DPI OF CONTEXT RENDERED TO

FIG. 7

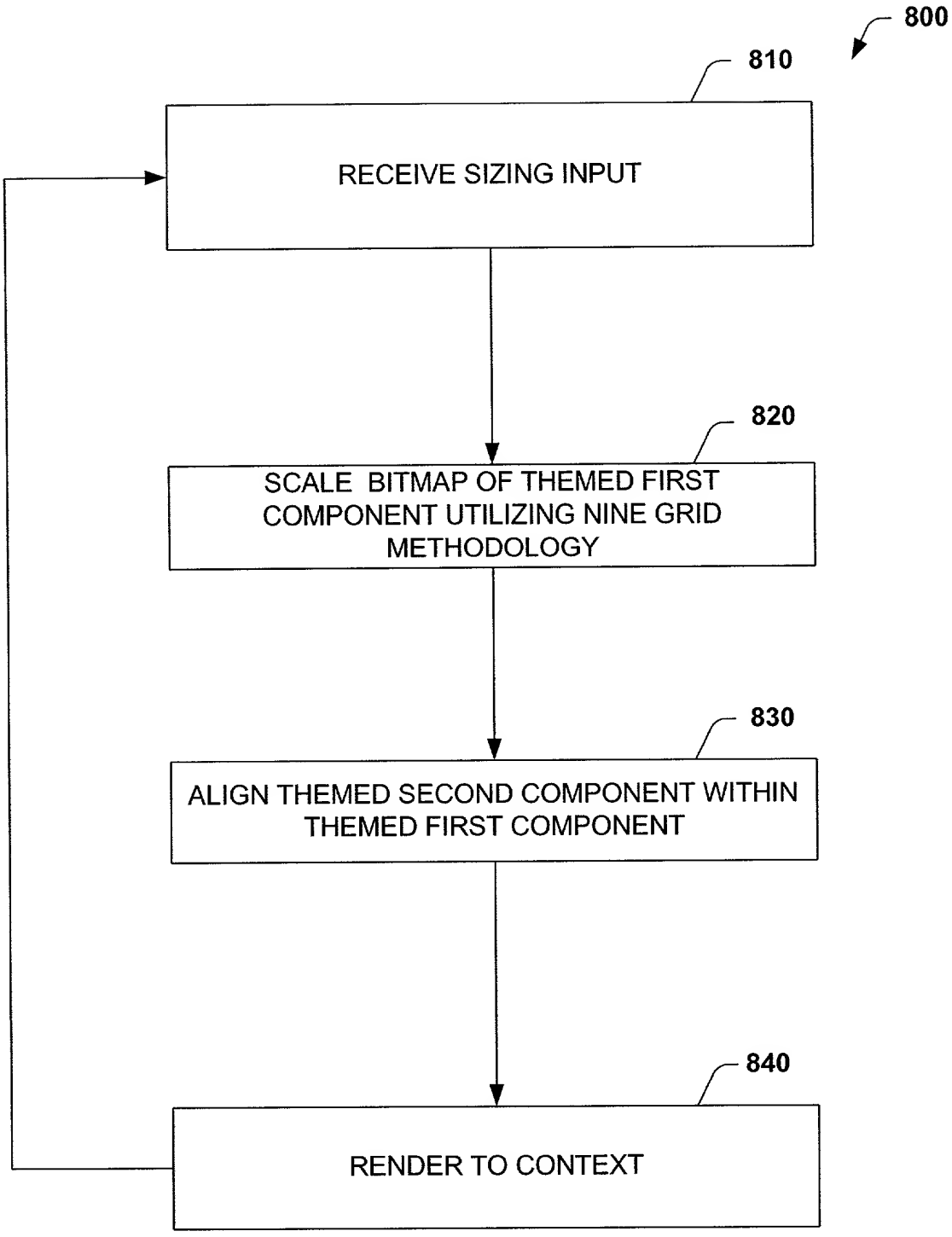

800
810
RECEIVE SIZING INPUT
820
SCALE BITMAP OF THEMED FIRST COMPONENT UTILIZING NINE GRID METHODOLOGY
830
ALIGN THEMED SECOND COMPONENT WITHIN THEMED FIRST COMPONENT
840
RENDER TO CONTEXT

FIG. 8

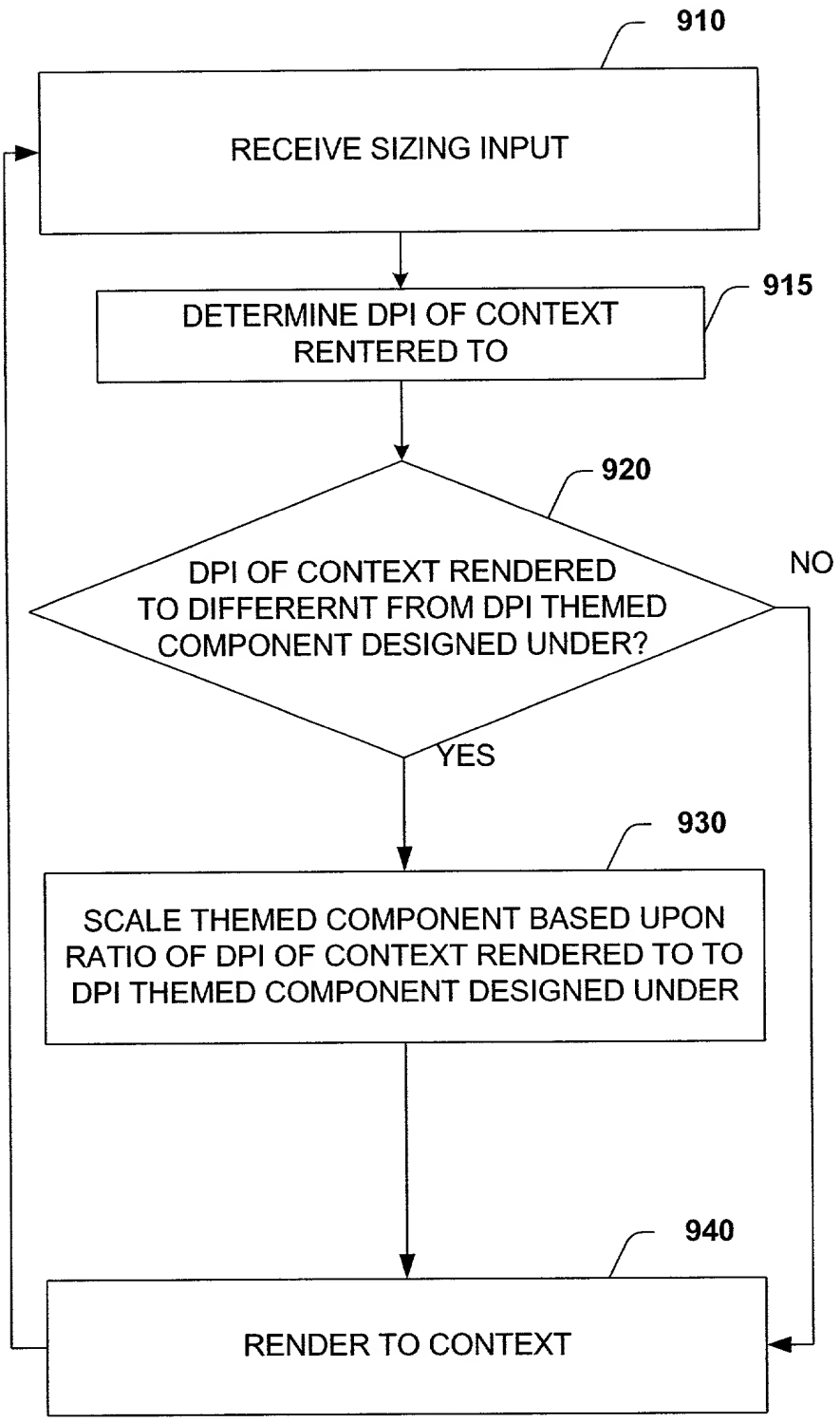

900
910
RECEIVE SIZING INPUT
915
DETERMINE DPI OF CONTEXT RENTERED TO
920
DPI OF CONTEXT RENDERED TO DIFFERERNT FROM DPI THEMED COMPONENT DESIGNED UNDER?
NO
YES
930
SCALE THEMED COMPONENT BASED UPON RATIO OF DPI OF CONTEXT RENDERED TO TO DPI THEMED COMPONENT DESIGNED UNDER
940
RENDER TO CONTEXT

FIG. 9

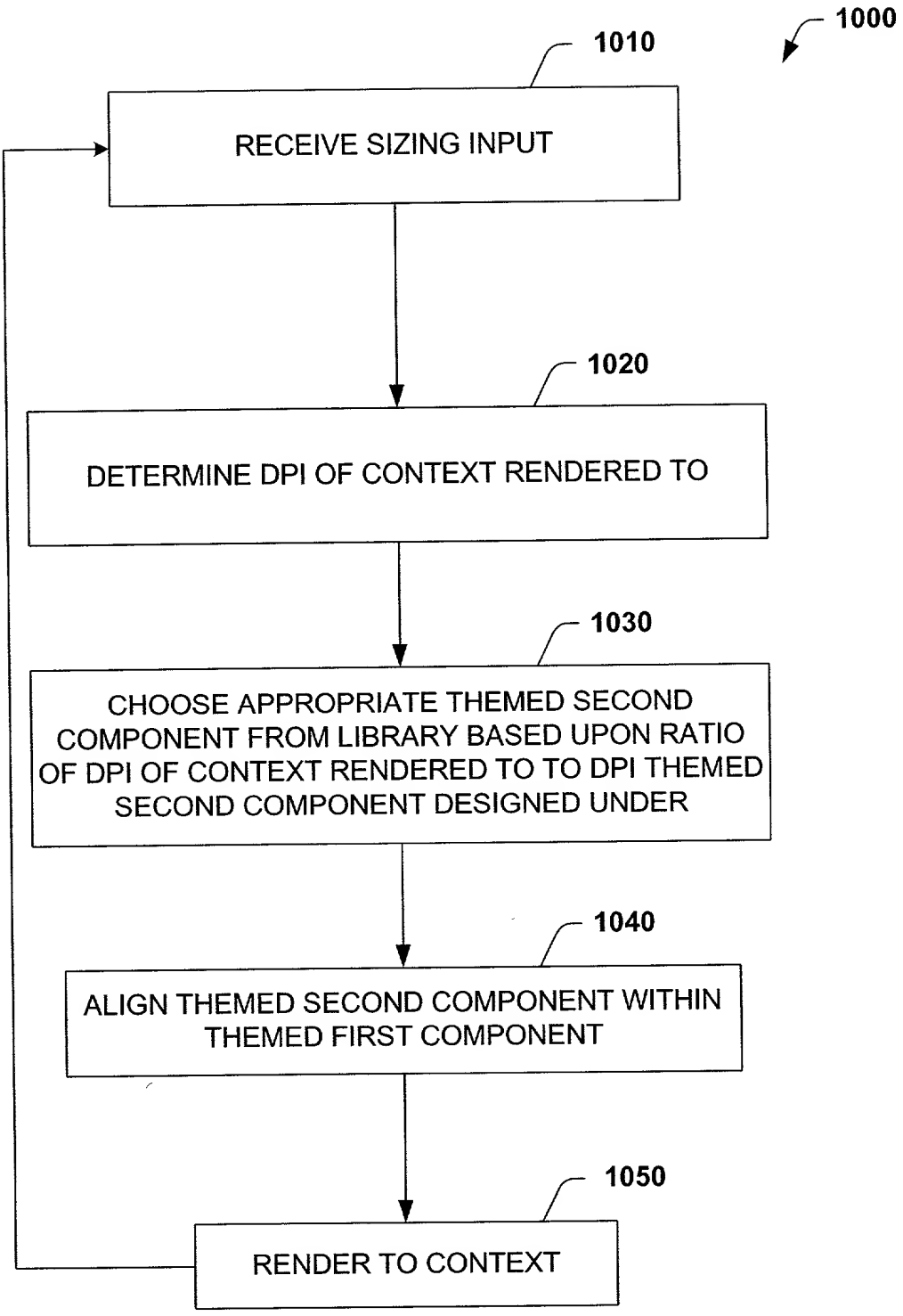

1000
1010
RECEIVE SIZING INPUT
1020
DETERMINE DPI OF CONTEXT RENDERED TO
1030
CHOOSE APPROPRIATE THEMED SECOND COMPONENT FROM LIBRARY BASED UPON RATIO OF DPI OF CONTEXT RENDERED TO TO DPI THEMED SECOND COMPONENT DESIGNED UNDER
1040
ALIGN THEMED SECOND COMPONENT WITHIN THEMED FIRST COMPONENT
1050
RENDER TO CONTEXT

FIG. 10

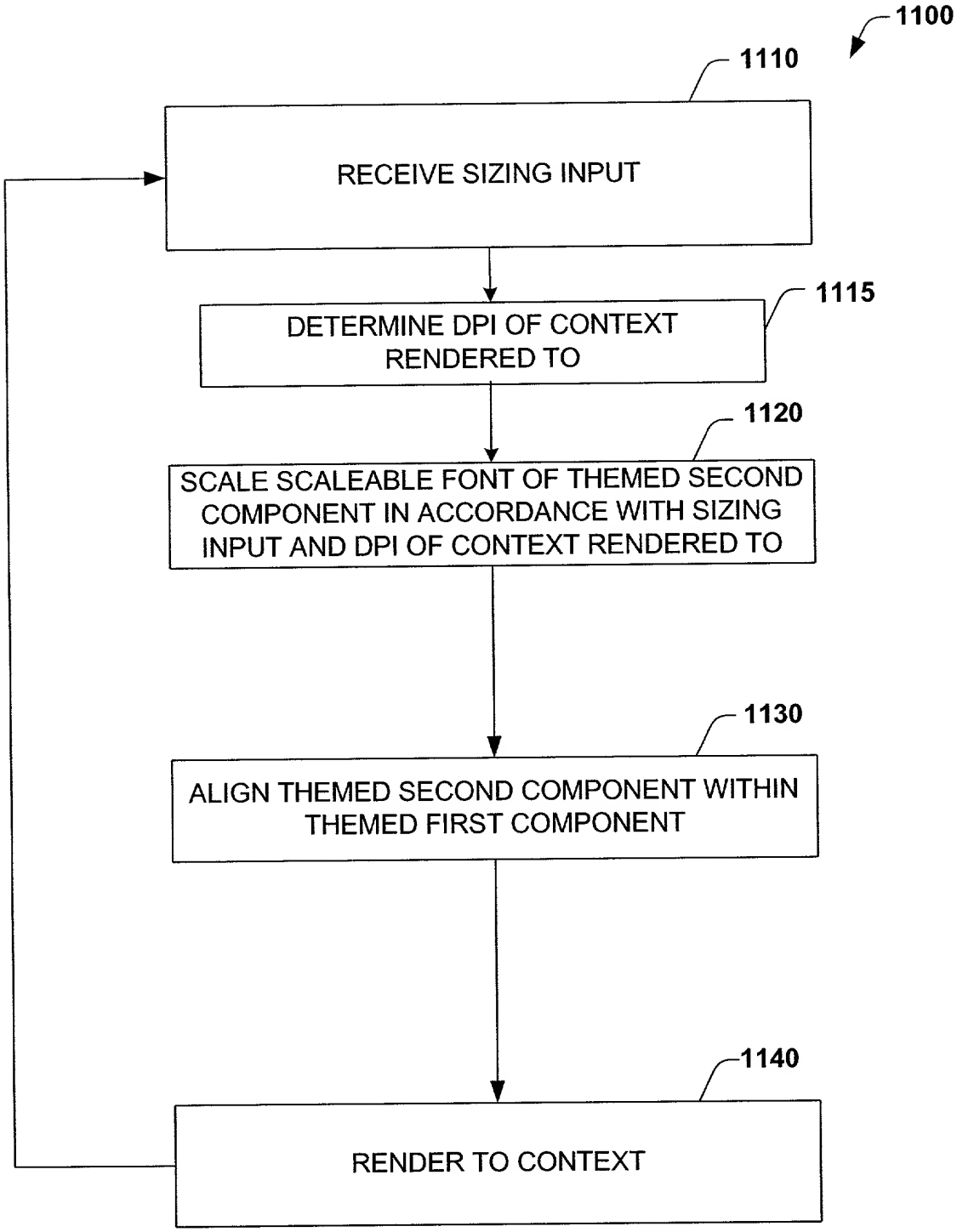

1100
1110
RECEIVE SIZING INPUT
1115
DETERMINE DPI OF CONTEXT RENDERED TO
1120
SCALE SCALEABLE FONT OF THEMED SECOND COMPONENT IN ACCORDANCE WITH SIZING INPUT AND DPI OF CONTEXT RENDERED TO
1130
ALIGN THEMED SECOND COMPONENT WITHIN THEMED FIRST COMPONENT
1140
RENDER TO CONTEXT

FIG. 11

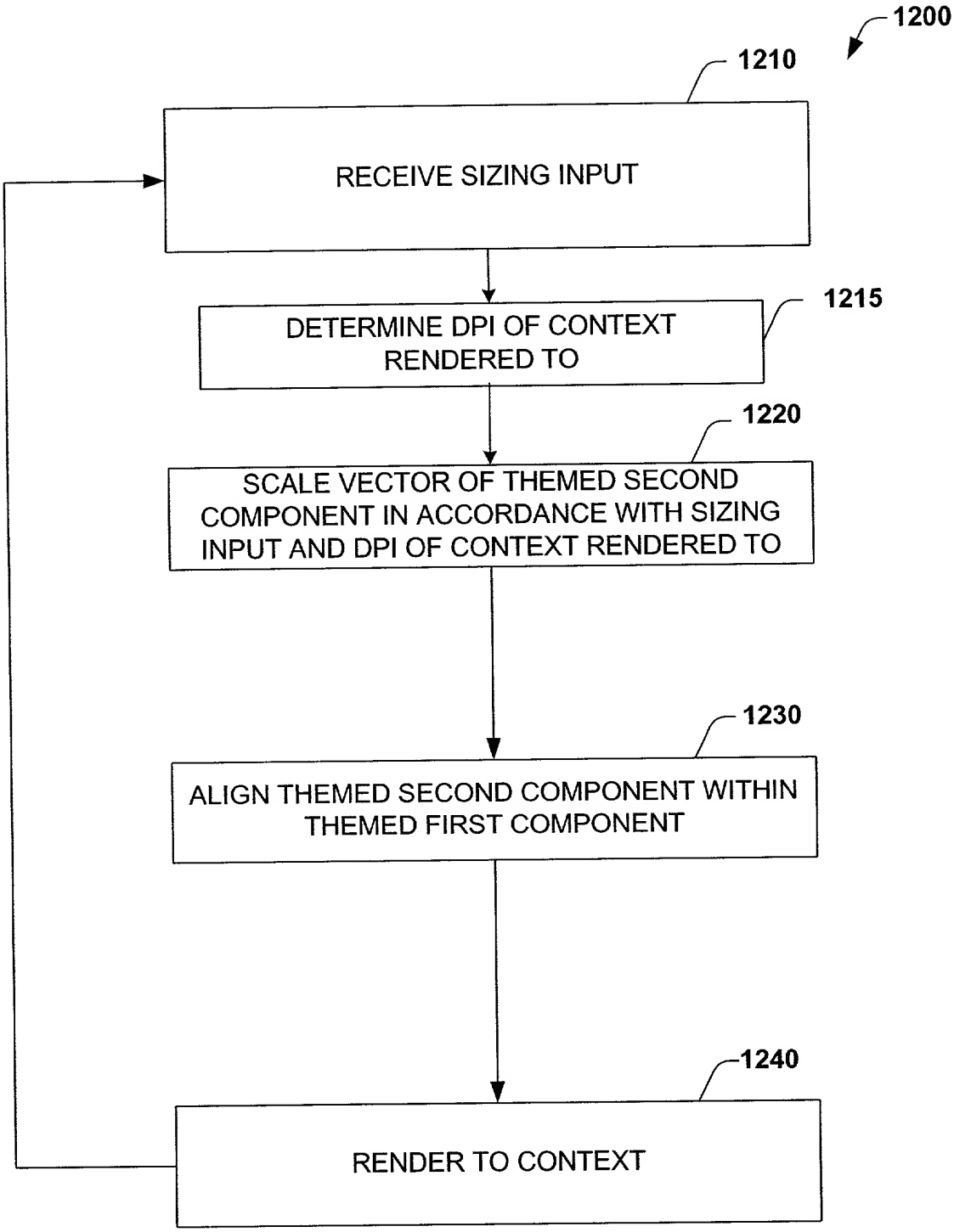

1200
1210
RECEIVE SIZING INPUT
1215
DETERMINE DPI OF CONTEXT RENDERED TO
1220
SCALE VECTOR OF THEMED SECOND COMPONENT IN ACCORDANCE WITH SIZING INPUT AND DPI OF CONTEXT RENDERED TO
1230
ALIGN THEMED SECOND COMPONENT WITHIN THEMED FIRST COMPONENT
1240
RENDER TO CONTEXT

FIG. 12

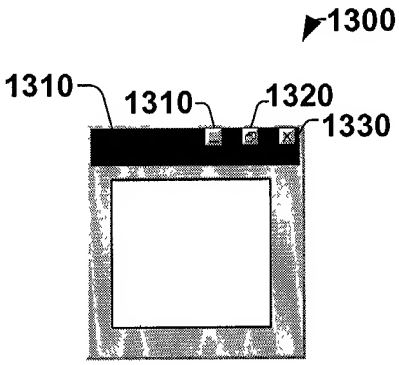

1300
1310
1310
1320
1330

Fig. 13

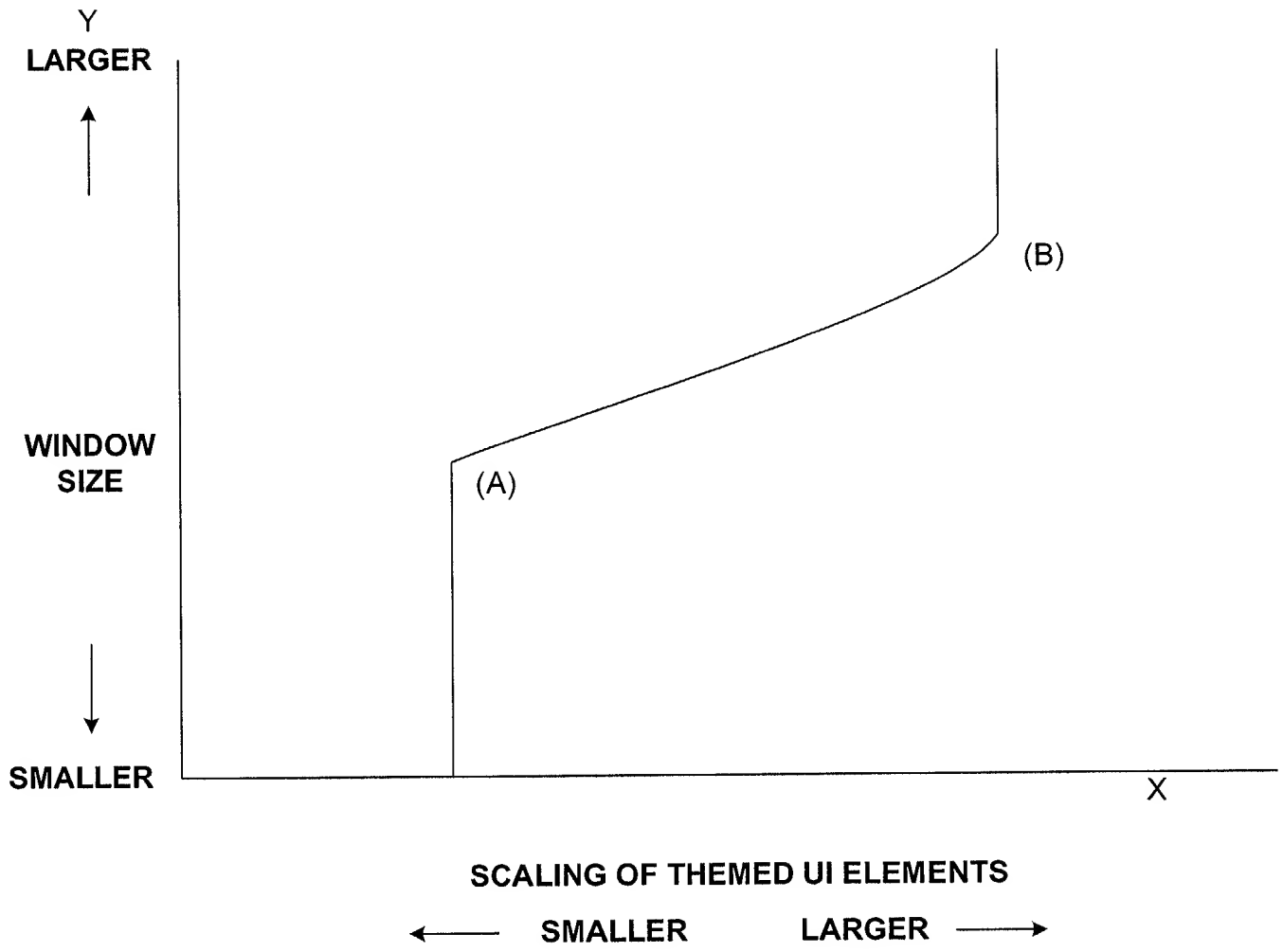

Y
LARGER
WINDOW SIZE
SMALLER
(A)
(B)
X
SCALING OF THEMED UI ELEMENTS
SMALLER
LARGER

Fig. 14

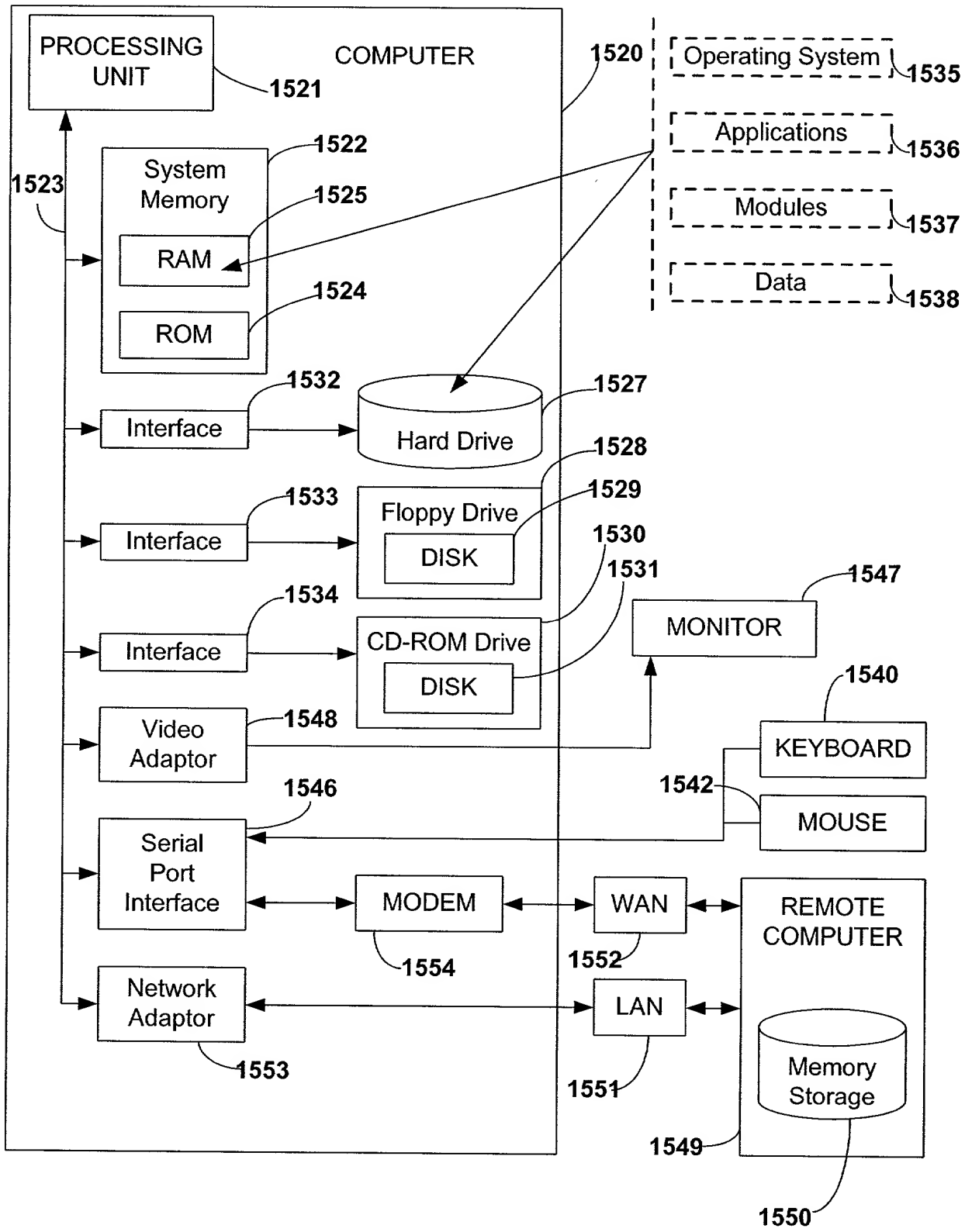

PROCESSING UNIT
1521
COMPUTER
1520
Operating System
1535
Applications
1536
Modules
1537
Data
1538
1522
System Memory
1523
1525
RAM
1524
ROM
1532
Interface
Hard Drive
1527
1528
1533
Interface
Floppy Drive
1529
DISK
1530
1531
1534
Interface
CD-ROM Drive
DISK
1547
MONITOR
1540
Video Adaptor
1548
KEYBOARD
1542
MOUSE
1546
Serial Port Interface
MODEM
WAN
REMOTE COMPUTER
1554
1552
Network Adaptor
LAN
1553
1551
Memory Storage
1549
1550

FIG. 15

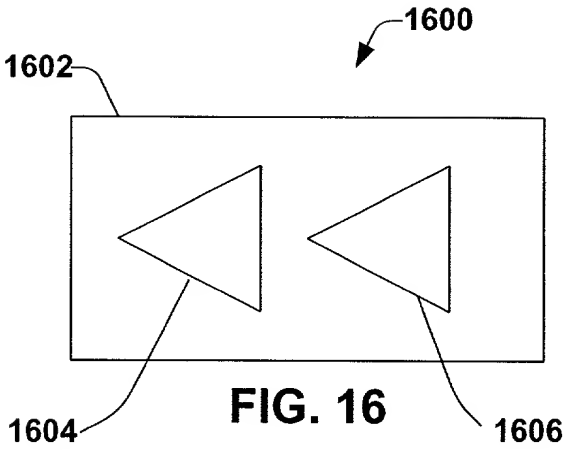


FIG. 16

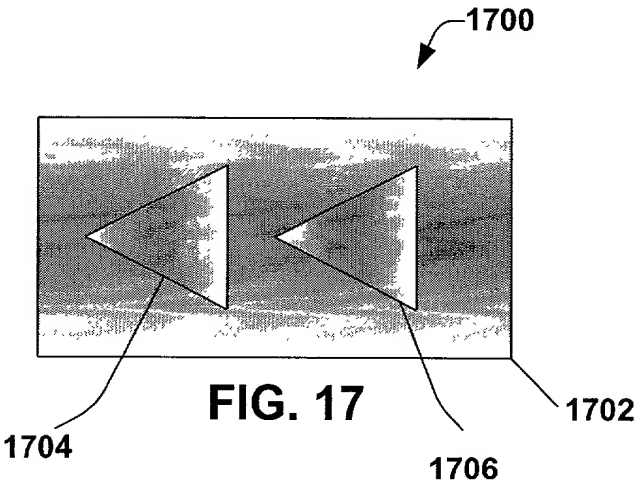


FIG. 17

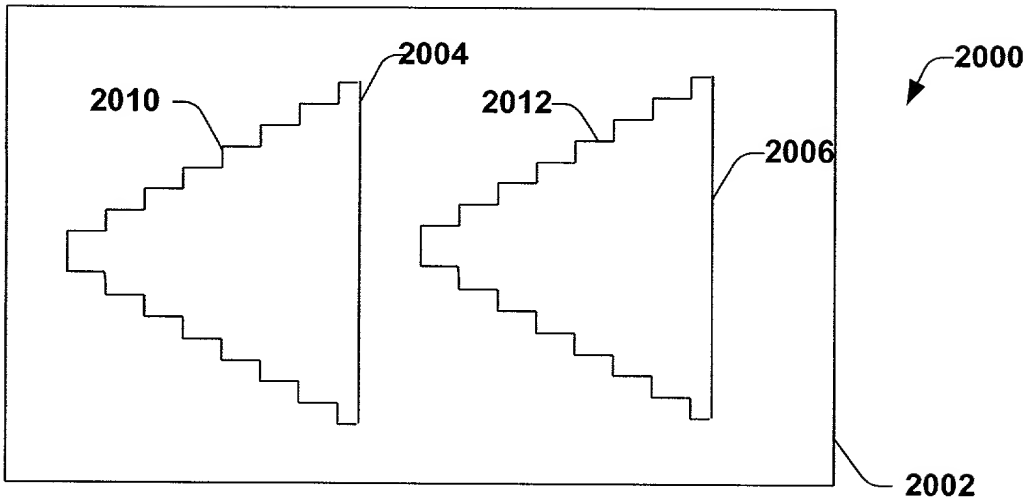


FIG. 20

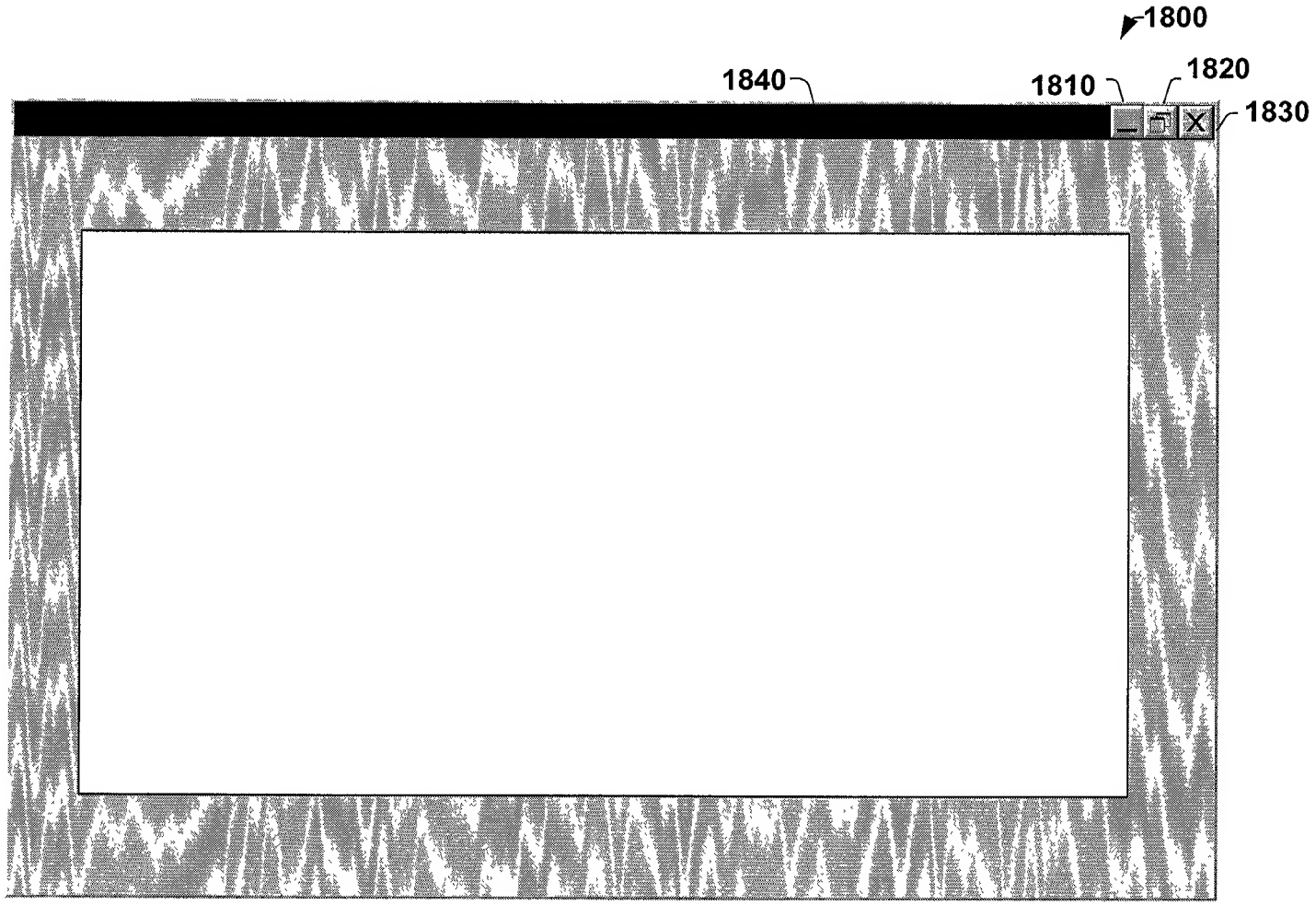


Fig. 18

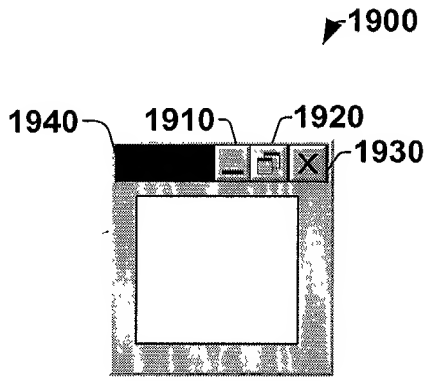


Fig. 19

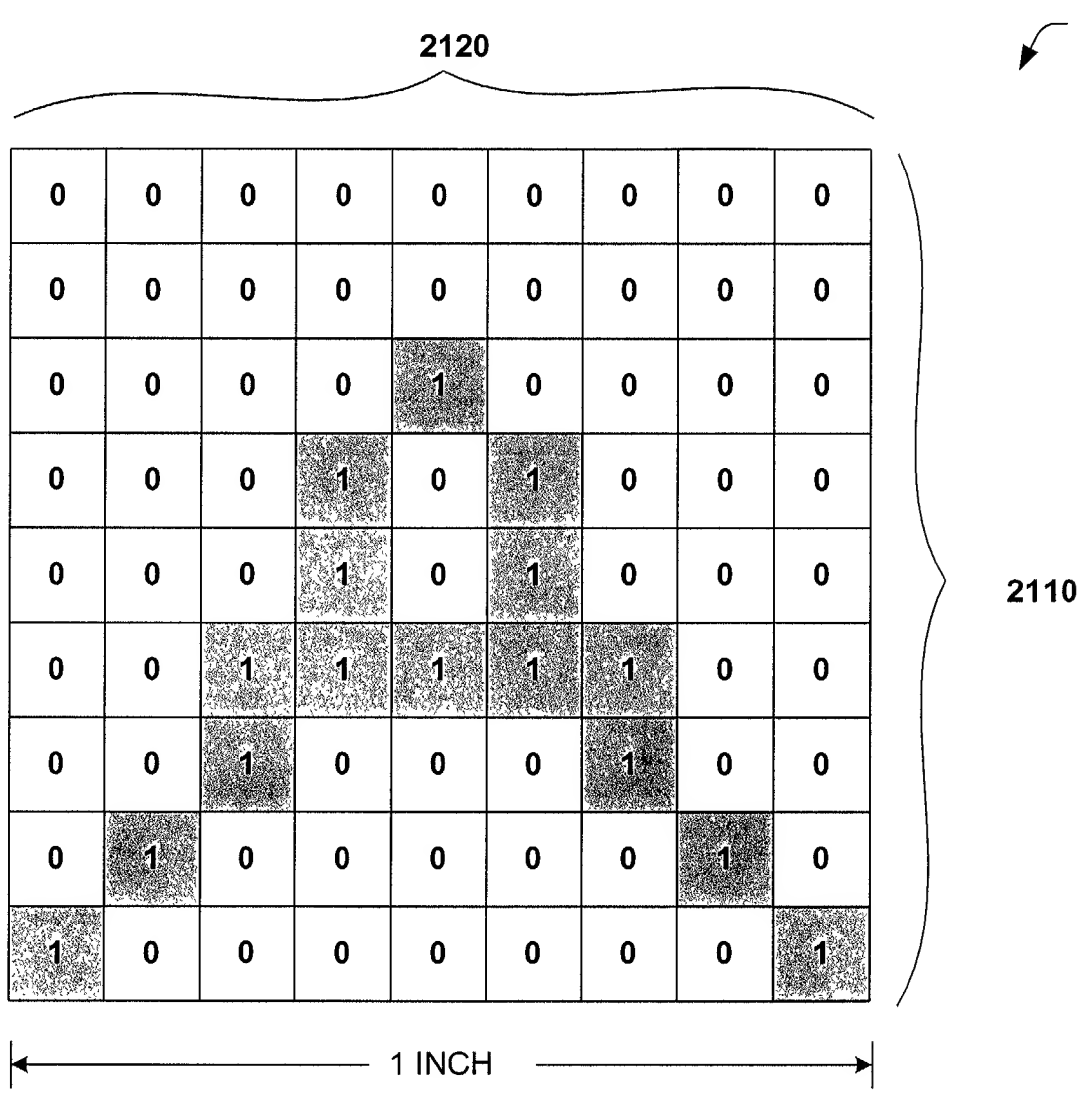
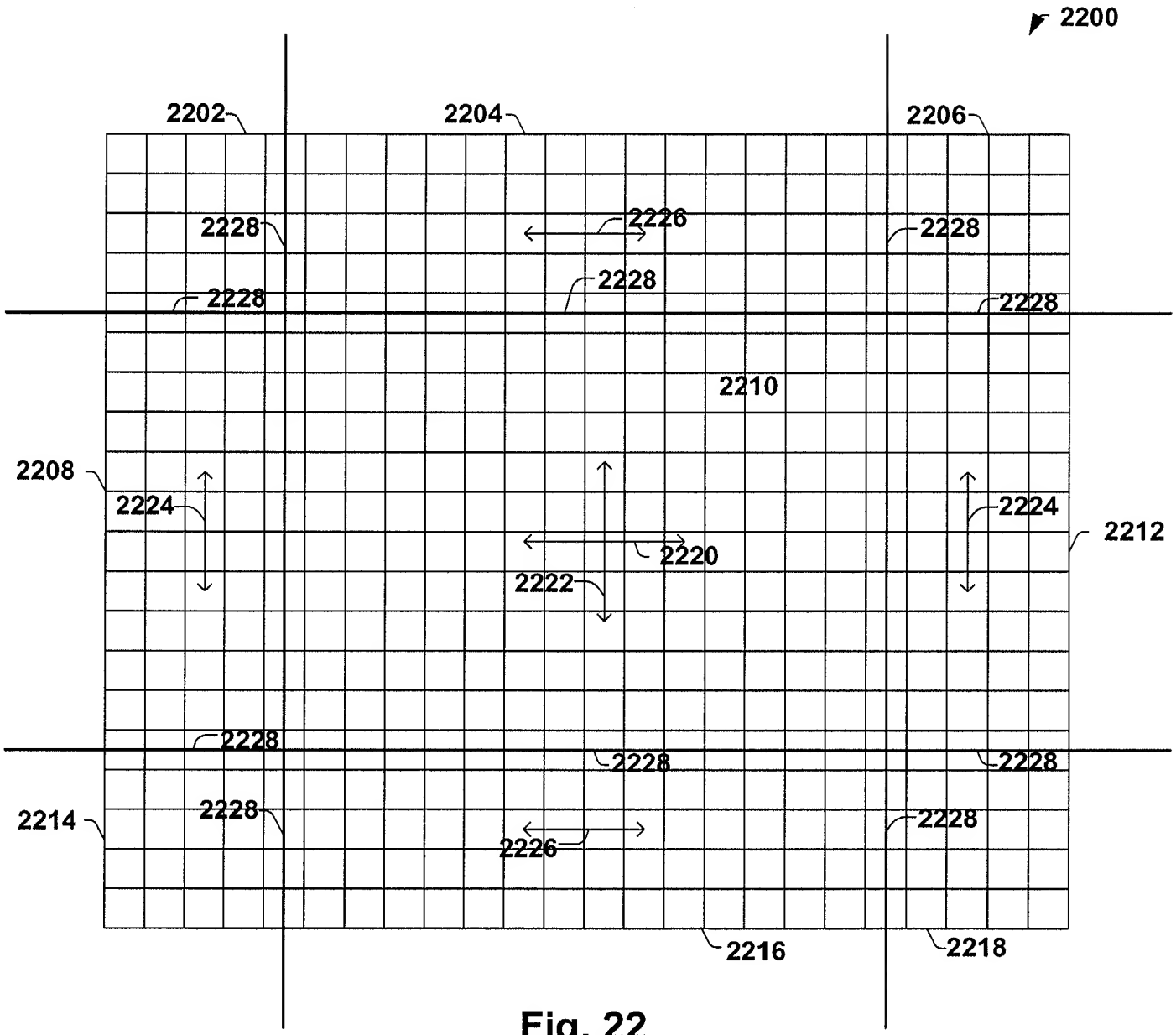

2100
2120
2110
0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0
0 0 0 0 1 0 0 0 0
0 0 0 1 0 1 0 0 0
0 0 0 1 0 1 0 0 0
0 0 1 1 1 1 1 0 0
0 0 1 0 0 0 1 0 0
0 1 0 0 0 0 0 1 0
1 0 0 0 0 0 0 0 1
1 INCH

Fig. 21


2200
2202
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2208
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2220
2222
2228
2228
2228
2214
2228
2228
2226
2216
2218

Fig. 22